


  
 PAVENT

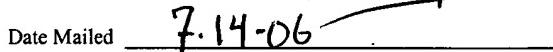

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

**Attorney application of:** Paul E. Keller et al.**Application No. 10/697,965****Filed:** October 30, 2003**Confirmation No.** 7601**For:** DETECTION OF A CONCEALED  
OBJECT**Examiner:** Isam Alsomiri**Art Unit:** 3662**Attorney Reference No.** 23-70740-01**CERTIFICATE OF MAILING**

I hereby certify that this paper and the documents referred to as being attached or enclosed herewith are being deposited with the United States Postal Service as First Class Mail in an envelope addressed to: COMMISSIONER FOR PATENTS, P.O. BOX 1450, ALEXANDRIA, VA 22313-1450 on the date shown below.

Attorney or Agent  
for Applicants \_\_\_\_\_

Date Mailed \_\_\_\_\_



7.14.06

COMMISSIONER FOR PATENTS  
P.O. BOX 1450  
ALEXANDRIA, VA 22313-1450

**INFORMATION DISCLOSURE STATEMENT PURSUANT TO**  
**37 C.F.R. § 1.97(c)**

Listed on the accompanying form PTO-1449 and enclosed herewith are several English-language documents. Applicants respectfully request that these documents be listed as references cited on the issued patent. This Information Disclosure Statement ("IDS") is being mailed before Applicants received a final action, a notice of allowance, or an action that otherwise closes prosecution in the referenced application.

Copies of United States patents and United States published patent applications do not have to be provided to the Patent Office (37 C.F.R. 1.98(a)(2)(ii)). Copies of unpublished U.S. applications do not have to be provided, as long as the application is available on PAIR, as this requirement of 37 C.F.R. § 1.98(a)(2)(iii) has been waived by the United States Patent and Trademark Office pursuant to the Official Gazette Notice on October 19, 2004 (1287 OG 163). Applicants will provide copies of such patents or applications upon request.

Submitted herewith is a check for \$180.00 as required by 37 C.F.R. § 1.17(p) for filing this IDS in compliance with 1.97(c).

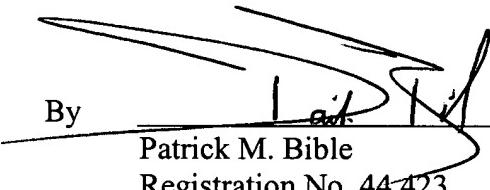
Please charge any additional fees which may be required in connection with filing this IDS, or credit any overpayment, to Deposit Account No. 02-4550. A duplicate copy of this sheet is enclosed.

The filing of this IDS shall not be construed to be an admission that the information cited in the statement is, or is considered to be, prior art or otherwise material to patentability as defined in 37 C.F.R. §1.56.

Respectfully submitted,

KLARQUIST SPARKMAN, LLP

By

  
Patrick M. Bible  
Registration No. 44,423

One World Trade Center, Suite 1600  
121 S.W. Salmon Street  
Portland, Oregon 97204  
Telephone: (503) 595-5300  
Facsimile: (503) 595-5301  
cc: Client  
Docketing

<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>	Attorney Docket Number	23-70740-01
	Application Number	10/697,965
	Filing Date	October 30, 2003
	First Named Inventor	Keller
	Art Unit	3662
	Examiner Name	Isam Alsomiri

**U.S. PATENT APPLICATION DOCUMENTS**

Examiner's Initials*	Cite No. (optional)	Number	Publication Date	Name of Applicant
		2006/0066469	3/30/2006	Foote et al.

**FOREIGN PATENT DOCUMENTS**

Examiner's Initials*	Cite No. (optional)	Country	Number	Publication Date	Name of Applicant or Patentee
		Great Britain	GB 2034554	6/4/1980	Voles
		Great Britain	GB 2083715	3/24/1982	Wren et al.

**OTHER DOCUMENTS**

	Abbott, "Personal Surveillance System," <i>IBM Technical Disclosure Bulletin</i> , Vol. 12, No. 7, pp. 1119-1120 (Dec. 1969).
	Ahles, "The Caesar Project," downloaded from thunder.temple.edu/~mridenou/pe204/BodyAnthroCaesar.html, 2 pp. (document marked as published on February 11, 1999).
	Aoki et al., "Diagnosis of Under-Snow Radar Images by Three Dimensional Displaying Technique in Holographic Imaging Radar," <i>Proc. of IGARSS '87 Symposium</i> , pp. 571-576 (May 18-21, 1987).
	Boyer et al., "Reconstruction of Ultrasonic Images by Backward Propagation," Ch. 18, pp. 333-349 (1970).
	Bruner, "An Introduction to the Body Measurement System for Mass Customized Clothing," downloaded from http://www.techexchange.com/thelibrary/bmsdes.html, 11 pp. (document marked as published January 2004).
	Collins, "Error Analysis in Scanned Holography," Thesis, Oregon State University (1970).
	Cookson, "Body scanners to shape our shopping," London, 1 p. (dated at least as early as Dec. 1, 2000).
	Cyberware, "Body Measurement/Garment Fitting Software," downloaded from www.cyberware.com/pressRelease/digisize_PR1.html, 2 pp.(document marked as published on August 9, 1999).

EXAMINER  
SIGNATURE:DATE  
CONSIDERED:

\* Examiner: Initial if reference considered, whether or not in conformance with MPEP 609. Draw line through cite if not in conformance and not considered. Include copy of this form with next communication to applicant.

<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>	Attorney Docket Number	23-70740-01
	Application Number	10/697,965
	Filing Date	October 30, 2003
	First Named Inventor	Keller
	Art Unit	3662
	Examiner Name	Isam Alsomiri

Examiner's Initials*	Cite No. (optional)	OTHER DOCUMENTS
		Cyberware, "Cyberware Extracts Tailor Measurements from 3D Scan Data," downloaded from <a href="http://www.cyberware.com/pressReleases/arn.html">www.cyberware.com/pressReleases/arn.html</a> , 2 pp. (document marked as published on August 1, 1997).
		Cyberware, "Cyberware Whole Body Scanning," downloaded from <a href="http://www.cyberware.com/products/WholeBody.html">www.cyberware.com/products/WholeBody.html</a> , 3 pp. (document marked as last updated on June 22, 1999).
		Cyberware, "Laser Sizes Up Your Body, Fits Your Clothing," downloaded from <a href="http://www.cyberware.com/pressReleases/digisize_PR2.html">www.cyberware.com/pressReleases/digisize_PR2.html</a> , 2 pp. (document marked as published on August 9, 1999).
		Cyberware, "The World's First Whole Body Scanners Bring True Human Forms to Computer Graphics," downloaded from <a href="http://www.cyberware.com/pressReleases/firstWB.html">www.cyberware.com/pressReleases/firstWB.html</a> , 1 p. (document marked as published on May 11, 1995).
		Farhat, "High Resolution Microwave Holography and the Imaging of Remote Moving Objects," <i>Optical Engineering</i> , Vol. 14, No. 5, pp. 499-505 (1975).
		Fujita et al., "Polarimetric Calibration of the SIR-C C-Band Channel Using Active Radar Calibrators and Polarization Selective Dihedrals," <i>IEEE Transactions on Geoscience and Remote Sensing</i> , Vol. 36, No. 6, pp. 1872-1878 (1998).
		Hildebrand et al., "An Introduction to Acoustical Holography," pp. vii, 20-21 (1974).
		Keller et al., "Privacy Algorithm for Cylindrical Holographic Weapons Surveillance System," <i>IEEE Aerospace and Electronic Systems Magazine</i> , Vol. 15, No. 2, pp. 17-24 (2000).
		McMakin et al., "Cylindrical Holographic Imaging System Privacy Algorithm Final Report," <i>Pacific Northwest National Laboratory</i> , Richland, WA (1999).
		McMakin et al., "Detection of Concealed Weapons and Explosives on Personnel Using a Wide-band Holographic Millimeter-wave Imaging System," <i>American Defense Preparedness Association Security Technology Division Joint Security Technology Symposium</i> , Williamsburg, Va. (1996).
		McMakin et al., "Wideband, millimeter-wave, holographic weapons surveillance system," <i>Proceedings of the SPIE - EUROPTO European Symposium on Optics for Environmental and Public Safety</i> , Vol. 2511, pp. 131-141 (1995).
		Michelson et al., "A Calibration Algorithm for Circular Polarimetric Radars," <i>Journal of Electromagnetic Waves and Applications</i> , Vol. 11, pp. 659-674 (1997).

EXAMINER SIGNATURE:	DATE CONSIDERED:
* Examiner: Initial if reference considered, whether or not in conformance with MPEP 609. Draw line through cite if not in conformance and not considered. Include copy of this form with next communication to applicant.	

<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>		Attorney Docket Number	23-70740-01
		Application Number	10/697,965
		Filing Date	October 30, 2003
		First Named Inventor	Keller
		Art Unit	3662
		Examiner Name	Isam Alsomiri

Examiner's Initials*	Cite No. (optional)	OTHER DOCUMENTS
		Osumi et al., "Detection of Buried Objects," <i>IEE Proceedings</i> , Vol. 135, Pt. F, No. 4 (Aug. 1988).
		SAE International, downloaded from www.sae.org/technicalcommittees, 6 pp. (downloaded on February 3, 2000).
		Sheen et al., "Concealed explosive detection on personnel using a wideband holographic millimeter-wave imaging system," <i>Proceedings of the SPIE - AEROSENSE Aerospace/Defense Sensing and Controls</i> , Vol. 2755, pp. 503-513 (1996).
		Sheen et al., "Cylindrical millimeter-wave imaging technique for concealed weapon detection," <i>Proceedings of the SPIE - 26th AIPR Workshop: Exploiting New Image Sources and Sensors</i> , Vol. 3240, pp. 242-250 (March 1998).
		Sheen et al., "Three-Dimensional Millimeter-Wave Imaging for Concealed Weapon Detection," <i>IEEE Transactions on Microwave Theory and Techniques</i> , Vol. 49, No. 9, pp. 1581-1592 (2001).
		Sinclair et al., "Passive millimetre wave imaging in security scanning," <i>Proc. SPIE</i> , Vol. 4032, pp. 40-45 (2000).
		Soumekh, "Fourier Array Imaging," Published by PTR Prentice Hall, Englewood Cliffs, NJ, pp. 339-348 (1994).
		Tricoles et al., "Microwave Holography: Applications and Techniques," <i>Proceedings of the IEEE</i> , Vol. 65, No. 1, pp. 108-121 (Jan. 1977).
		Yngvesson et al., "Endfire Tapered Slot Antennas on Dielectric Substrates," <i>IEEE Trans. on Antennas and Propagation</i> , Vol. AP-33, No. 12, pp. 1392-1400 (Dec. 1985).
		Yueh et al., "Calibration of polarimetric radars using in-scene reflectors," <i>Journal of Electromagnetic Waves and Applications</i> , Vol. 4, No. 1, pp. 27-48 (1990).

EXAMINER SIGNATURE:	DATE CONSIDERED:
---------------------	------------------

\* Examiner: Initial if reference considered, whether or not in conformance with MPEP 609. Draw line through cite if not in conformance and not considered. Include copy of this form with next communication to applicant.

**INFORMATION DISCLOSURE STATEMENT  
BY APPLICANT**

Attorney Docket Number	23-70740-01
Application Number	10/697,965
Filing Date	October 30, 2003
First Named Inventor	Keller
Art Unit	3662
Examiner Name	Isam Alsomiri

**U.S. PATENT DOCUMENTS**

U.S. Patent documents do not need to be provided, unless requested by the Patent and Trademark Office. For patents, provide the patent number and the issue date. For published U.S. applications, provide the publication number and the publication date. For unpublished pending patent applications, provide the application number and the filing date.

Examiner's Initials*	Cite No. (optional)	Number	Publication Date	Name of Applicant or Patentee
		3,755,810	8/28/1973	Latham et al.
		4,829,303	5/9/1989	Zebker et al.
		4,910,523	3/20/1990	Huguenin et al.
		4,916,634	4/10/1990	Collins et al.
		5,047,783	9/10/1991	Hugenin
		5,060,393	10/29/1991	Silverman et al.
		5,142,255	8/25/1992	Chang et al.
		5,640,589	6/17/1997	Takayama et al.
		5,680,528	10/21/1997	Korszun
		5,833,599	11/10/1998	Schrier et al.
		5,953,448	9/17/1999	Liang
		5,956,525	9/21/1999	Minsky
		6,144,388	11/7/2000	Bornstein
		6,271,856	8/7/2001	Krishnamurthy
		6,373,963	4/16/2002	Demers et al.
		6,377,865	4/23/2002	Edelsbrunner et al.
		6,542,249	4/1/2003	Kofman et al.

EXAMINER  
SIGNATURE:

DATE  
CONSIDERED:

\* Examiner: Initial if reference considered, whether or not in conformance with MPEP 609. Draw line through cite if not in conformance and not considered. Include copy of this form with next communication to applicant.

<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>	Attorney Docket Number	23-70740-01
	Application Number	10/697,965
	Filing Date	October 30, 2003
	First Named Inventor	Keller
	Art Unit	3662
	Examiner Name	Isam Alsomiri

### U.S. PATENT DOCUMENTS

Copies of U.S. Patent documents do not need to be provided, unless requested by the Patent and Trademark Office. For patents, provide the patent number and the issue date. For published U.S. applications, provide the publication number and the publication date. For unpublished pending patent applications, provide the application number and the filing date.

Examiner's Initials*	Cite No. (optional)	Number	Publication Date	Name of Applicant or Patentee
		6,546,309	4/8/2003	Gazzuolo
		6,639,684	10/28/2003	Knighton et al.
		6,690,474	2/10/2004	Shirley
		6,700,526	3/2/2004	Witten
		6,703,964	3/9/2004	McMakin et al.
		6,734,849	5/11/2004	Dimsdale et al.
		6,876,322	4/5/2005	Keller
		7,034,746	4/25/2006	McMakin et al.

### U.S. PATENT APPLICATION DOCUMENTS

Examiner's Initials*	Cite No. (optional)	Number	Publication Date	Name of Applicant
		2002/0158368	10/31/2002	Wirth, Jr.
		2002/0167726	11/14/2002	Barman et al.
		2003/0076254	4/24/2003	Witten
		2003/0137646	7/24/2003	Hoffman et al.
		2004/0023612	2/5/2004	Kriesel
		2004/0090359	5/13/2004	McMakin et al.
		2005/0234383	10/20/2005	Dougal

EXAMINER SIGNATURE:	DATE CONSIDERED:
---------------------	------------------

\* Examiner: Initial if reference considered, whether or not in conformance with MPEP 609. Draw line through cite if not in conformance and not considered. Include copy of this form with next communication to applicant.